



PR600C COLD PLANER



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PR600C Value Analysis



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Four-Track Agility

The PR600C's four-track stance gives it an 8 ft (2,438 mm) turning radius without sacrificing any of the traction needed to pull through deep, wide cuts on challenging terrain.

Makes Deep Plunge Cuts

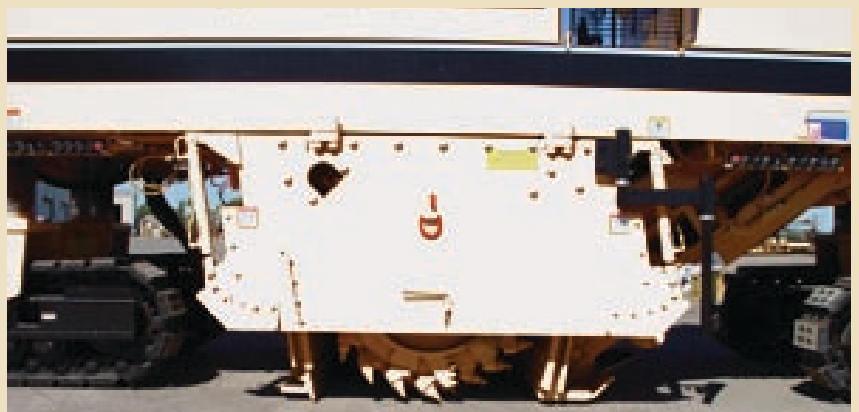
The PR600C's power makes 14 in (355 mm) deep plunge cuts seem like they are just all in a day's work. The PR600C's uniquely shaped cutter housing tapers in toward the cutter, both front and back. This smaller V-shaped housing carries substantially less loose material as the PR600C grinds its way forward.

Bolt-on Quick-Mount Cutter

Designed for high production and minimal downtime, PR600C components are modular for fast removal and maintenance. Even the cutter assembly bolts in place for quick changes.



PR600C's power makes 14 in (355 mm) deep plunge cuts easy.



PR600C components are modular for fast removal and maintenance.

PR600C Cold Planer Specifications

Features

High production—600 hp (447 kW), 14 in (355 mm) plunge cut
 Bolt-on, quick-mount cutter
 Excellent maneuverability—3-track or 4-track design

Mechanical Drive

Wide V-belt power band drives the rotary cutter mandrel through a planetary reducer gearbox inside the cutter drum. Dry disk hydraulic actuated clutch mounted directly to engine.

Mainframe

Fabricated, heavy-duty unitized mainframe with rubber-mounted floor plate, hydraulic tank and cooling unit.

Rotary Cutter Assembly

Cutting diameter	48 in (1,219 mm)
Cutting width	86 in (2,184 mm)
Cutting depth	Up to 14 in (355 mm)

Cutter Teeth

185 tungsten carbide teeth with 0.75 in (19 mm) shanks. Teeth tap in/out for easy replacement. 185 replaceable heavy-duty steel alloy holders on mandrel with unique dowel location system.

Rear Floating Moldboard

86 in (2,184 mm) wide. Tapered-in hydraulic float moldboard with 36 in (914 mm) of travel for cutter drum access. Cutting edges with integral tungsten carbide insert are standard. Plunge cuts up to 14 in (355 mm) standard.

Hydraulic Drives

Variable displacement piston, pump and motors driving planetary reducers with track sprockets bolted to reducer for tracks. The ground drive features an electronically controlled load-sensing circuit that is adjustable from the operator station to fit job condition and ensure maximum production output. Closed circuit infinitely variable displacement pumps with reverse drive for conveyors. Open circuit gear pump and motor for fan. High-efficiency air-to-oil hydraulic cooler.

Track Drive System

3-track

Front tracks, two 81.7 in long x 13.8 in wide (2,075 mm x 350 mm) track
 Rear track, one 91.7 in long x 18 in wide (2,329 mm x 457 mm) track with polyurethane grousers

4-track

Four 81.7 in long x 13.8 in wide (2,075 mm x 350 mm) track with polyurethane grousers

Speeds

Working range 1	0–69 fpm (0–21 mpm)
Working range 2	0–85 fpm (0–25.9 mpm)
Working range 3	0–111 fpm (0–33.8 mpm)
Working range 4	0–158 fpm (0–48 mpm)
Travel range	0–3.1 mph (0–4.9 kph)

Steering

The hydraulic power with proportional control joystick provides 4 modes of steering for maximum maneuverability: 1) front only; 2) rear only; 3) front and rear coordinated; 4) crab (front and rear in the same direction). The 8 ft (2,438 mm) cut turning radius is among the best in the industry.

Reclaiming System

One 13 ft 7 in long x 42 in wide (4,140 mm x 1,066 mm) collecting conveyor. One 25 ft long x 42 in (7,620 mm x 1,066 mm) troughed discharge conveyor with 55 degree swing either side of center. Both conveyors hydraulically driven hydrostatic closed-loop pump with infinitely variable speed and reverse. Water spray and cover standard on both conveyors. Hydraulic elevation and swing control on discharge conveyor.

Grade Control System

Standard sonic system with electronic slope sensor.

Hydraulic System

Ten-micron filtration on all filtered circuits. On-board 24 Vdc pump replenishes hydraulic oil through return filter to assure high level of oil cleanliness. In-tank suction strainers are rated 200 mesh.

Service Refill Capacities

Diesel fuel	350 gal (1,324 L)
Hydraulic oil	90 gal (3401 L)
Hydraulic reserve tank	6 gal (22 L)

Water System

Tank capacity: 900 gal (3,406 L) with integral ground fill and “Y” strainer at rear of machine. Hydraulically driven centrifugal pump with water strainer at inlet of pump and piped to 10 individual spray nozzles in the cutter housing. Spray nozzles are individually serviceable without entering cutter chamber.

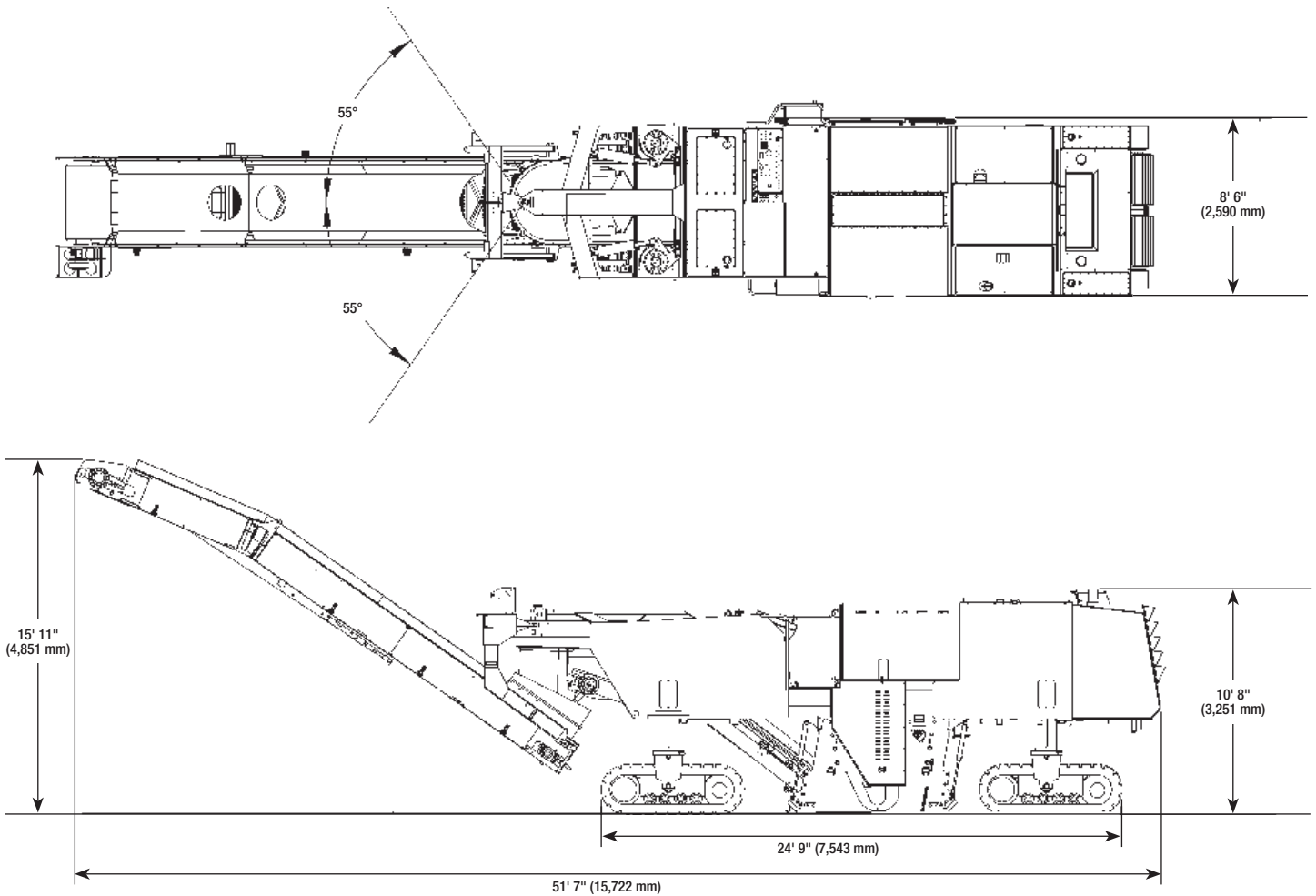
Hand Tool Kit

Engine-mounted air compressor, two 10 gals (37 L) air reservoirs with flexible air lines and quick-connect fittings. One pneumatic impact hammer and knockout tools included as standard (shipped inside toolbox).

Lights

Operational lights	12
Red rear flashing lights	2
Amber front flashing lights	2
Rotating beacon	2
Portable magnetic base floodlights	2
Panel lights	4
Power sources for portable magnetic lights	6

Diesel Engine Note: Gross horsepower @ 2,100 rpm, 600 hp (447 kW). Four-stroke cycle electronically controlled diesel engine with 6 cylinders, 5.39 in (136.9 mm) bore, 6.70 in (170.2 mm) stroke and 915 in³ (15 liters) displacement. Air cleaner, dry type, two stages with visual service indicator. 24 volt (.033 hp) electric starting system with 100 amp alternator.



PR600C Cold Planer

Operator's Station

Maximizes operator comfort and efficiency.
Operator is positioned in front of cutter for fast, efficient cutting in urban applications where seeing obstructions is a must.
Large, open, full-width operator's station offers excellent visibility to cutter side clearance, conveyor discharge and work area ahead.
Either-side control of ground drive, conveyor off/on, swing and elevation.
Crucial gauges are highly visible for easy monitoring.
Handrails and deck plates are arranged for comfort and visibility.

Important note: All electrical specifications used herein refer to U.S. standards of voltage and frequency. Any electrical equipment that is factory-installed will be compatible with power availability requirements of any customer's country.

Note: All dimensions and weights provided with standard width cutter. Operating and transportation dimensions and weights will vary depending on selected options.

Serviceability

Easy routine maintenance maximizes uptime and bottom line.
All major components are modular, designed for easy removal and replacement.
Large access doors make inspection, adjustment and repairs quick and easy.
Accessible and clean conveyor transfer point.
Radiator and oil cooler coils separated for cleaning.
Replaceable tooth holders, with locator pins to assure accurate positioning.
High-pressure washdown system to hose off radiator, oil cooler, tracks, cutter and conveyors.
Extended capacities for water and fuel, hydraulic tank pre-filtering, sealed undercarriage components, minimal daily service points, and bearings that run in large reservoirs of chassis grease to give more working hours and lower operating cost.

Dimensions & Weight

Overall length	51 ft 7 in (15,722 mm)
Overall height	10 ft 8 in (3,251 mm)
Overall width	8 ft 6 in (2,590 mm)
Shipping weight	
(3-track machine)	76,000 lbs (34,473 kg)
(4-track machine)	81,300 lbs (36,877 kg)
Operational weight	
(3-track machine)	87,000 lbs (39,462 kg)
(4-track machine)	90,600 lbs (41,095 kg)

Optional Equipment

Cutter drive sheave kit
Sonic averaging system

Optional Cutter Configurations

All cutters available with heavy-duty, weld-on holders
